Contents of Volume 124

Research Articles

R.A. Browne, L.E. Davis and S.E. Sallee (U.S.A.)
Effects of temperature and relative fitness of sexual and asexual brine shrimp *Artemia* (JEM 01171) 1

J. Fabregas, A. Muñoz, J. Llovo and A. Carracedo (Spain)
Purification and partial characterization of tomentine. An *N*-acetylglucosamine-specific lectin from the green alga *Codium tomentosum* (Huds.) Stackh. (JEM 01172) 21

B. Pelster, C.R. Bridges, A.C. Taylor, S. Morris and R.J.A. Atkinson (Canada, F.R.G., U.K.)
Respiratory adaptations of the burrowing marine teleost *Lumpenus lampretaeformis* (Walbaum). I. O_2 and CO_2 transport, acid–acid balance: a comparison with *Cepola rubescens* L. (JEM 01173) 31

B. Pelster, C.R. Bridges and M.K. Grieshaber (F.R.G., U.K.)
Respiratory adaptations of the burrowing marine teleost *Lumpenus lampretaeformis* (Walbaum). II. Metabolic adaptations (JEM 01174) 43

M.E. Patzkowsky (U.S.A.)
Differential response of settling larvae to resident colony density in two species of *Bugula* (Bryozoa: Cheilostomata) (JEM 01175) 57

Å. Granmo, J. Havenhand, K. Magnusson and I. Svane (Sweden)
Effects of the planktonic flagellate *Chrysochromulina polylepis* Manton *et* Park on fertilization and early development of the ascidian *Ciona intestinalis* (L.) and the blue mussel *Mytilus edulis* L. (JEM 01177) 65

T.W. Snell and E.M. Boyer (U.S.A.)
Thresholds for mictic female production in the rotifer *Brachionus plicatilis* (Muller) (JEM 01176) 73

P.J. Clifford and P.J. Harrison (Canada)
Use of ^{14}C uptake rates to evaluate the Se nutrition of a marine phytoplankter, *Thalassiosira pseudonana* (Hustedt) Hasle *et* Heimdal (JEM 01178) 87

T.D. Stebbins (U.S.A.)
The role of sea urchins in mediating fish predation on a commensal isopod (Crustacea: Isopoda) (JEM 01179) 97

M.D'A.A. Le Tissier (U.K.)
The growth and formation of branch tips of *Pocillopora damicornis* (Linnaeus) (JEM 01180) 115

G. Gorsky, S. Dallot, J. Sardou, R. Fenaux, C. Carré and I. Palazzoli (France)
C and N composition of some northwestern Mediterranean zooplankton and micronekton species (JEM 01181) 133

J. Chaffee and C.A. Lewis (U.S.A.)
Pedunculate barnacle stalk growth (JEM 01182) 145

H. Sweatman (Rupublic of Panama)
Field evidence that settling coral reef fish larvae detect resident fishes using dissolved chemical cues (JEM 01183) 163

P.E. McShane, K.P. Black and M.G. Smith (Australia)
Recruitment processes in *Haliotis rubra* (Mollusca: Gastropoda) and regional hydrodynamics in southeastern Australia imply localized dispersal of larvae (JEM 01184) 175

B. Vincent, G. Desrosiers and Y. Gratton (Canada)
Orientation of the infaunal bivalve *Mya arenaria* L. in relation to local current direction on a tidal flat (JEM 01185) 205

CONTENTS OF VOLUME 124

A. Barkai and G.M. Branch (South Africa)
The influence of predation and substratal complexity on recruitment of settlement plates: a test of the theory of alternative states (JEM 01186) 215
J.C. Kean-Howie, S. Pearre, Jr. and L.M. Dickie (Canada)
Experimental predation by sticklebacks on larval mackerel and protection of fish larvae by zooplankton alternative prey (JEM 01187) 239
R.B. Spies, D.D. Hardin and J.P. Toal (U.S.A.)
Organic enrichment or toxicity? A comparison of the effects of kelp and crude oil in sediments on the colonization and growth of benthic infauna (JEM 01189) 261

Author Index of Volume 124 283